

12/19/2005 **RE-ISSUED 2/27/2009**

AL'S CONCRETE PRODUCTS, INC.
CHARLES MACH
800 TOWNHALL ROAD
LA CRESCENT MN 55947

Re: Description: **SEWAGE TREATMENT APPARATUS & TANK SYSTEM [SEE STA -SEWAGE TREATMENT APPARATUS]***
Manufacturer: AL'S CONCRETE PRODUCTS, INC.
Product Name: 3.0 OR 4.5 BIO-MICROBICS MICRO FAST 3.0 OR 4.5
Model Number(s): 5366 MICRO FAST 3.0 OR 4.5
[SEE MAX. DWF AND INFLUENT CHARACTERISTICS FOR EACH PRE-TREATMENT UNIT]
(82.0" L.L., 65.4 GAL/IN., 96" MAX. DEPTH OF BURY, BOTTOM DIMENSIONS 16 FT. L X 8 FT. W)
Product File No: 20050130

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of APRIL 2011.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- 1. A copy of this approval letter must be supplied to the buyer and installer of each tank sold.
 2. All laitance, loose or foreign material must be removed from each joint surface prior to the sealant being applied.
 3. Continuous sealant meeting Federal Specification SS-S-00210-A must be applied to each tongue and groove wall joint.
 4. After placement of the concrete sections on the sealant, continuous squeeze-out of the sealant must be visible inside and outside the tank.
 5. A certified plumbing inspector must confirm compliance with limitations 2, 3 and 4 above, by direct observations during each process.
- This product is approved to use the following:
 - Pipe materials constructed in conformance with Table 84.30-2 or 84.30-11, Wis. Admin. Code poured into tank cover or access cover.
 - Four inch discharge opening in riser.
 - Bottom and side pipe openings for siphon, pump and holding tanks.
 - Six inch inlet and outlet openings.
 - Two inch schedule 40 PVC cast in riser for electrical wiring.

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- Press Seal "Cast-A-Seal" and PSX Gasket System by Press Seal Gasket Corp., Polylok II High Pressure Pipe Seal by Polylok, and A-Lok X-Cel by A-Lok Products, Inc..
 - Dual inlets at end of tank with one access opening above both inlets.
 - Dual inlets at end of tank with one access opening above each inlet.
 - Department approved effluent filter designed to be installed in a four inch diameter tee with extension and installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
 - A concrete panel slid into a groove in the sidewalls to create a 2 compartment septic tank to aid in the settling out of solids in the effluent.
 - 20" Riser and Cover (3009 & 3009-RC) and 24" Riser and Cover (3008 & 3008-RC) by Polylok.
- This tank may have a Bio-Microbics FAST 3.0 or 4.5 installed in accordance with the Wisconsin Plumbing Product approval for the FAST unit being installed.
 - This approval shall become null and void if the approval for BIO-MICROBICS MICROFAST 3.0 OR 4.5 units are not kept current.
 - When used with BIO-MICROBICS MICROFAST 3.0 or 4.5, there shall be an upstream settling tank (as per manuf. 2/23/05).

This approval supersedes the approval issued on 11/2/19/2005 under product file number 20050130.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20050130.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

*** This product has been re-categorized (from STA- sewage treatment apparatus to STATS- sewage treatment apparatus tank system) to better describe the actual product approval, which is for a tank which meets the specifications outlined by the manufacturer of the pre-treatment product/device.**

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The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
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